



STEVEN L. BESHEAR
GOVERNOR

ENERGY AND ENVIRONMENT CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

DIVISION OF WATER

200 FAIR OAKS LANE

FRANKFORT, KENTUCKY 40601

www.kentucky.gov

LEONARD K. PETERS
SECRETARY

FACT SHEET

**KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT TO DISCHARGE TREATED WASTEWATER
INTO WATERS OF THE COMMONWEALTH**

KPDES No.: KY0108693 Permit Writer: Ronnie Thompson Date: April 16, 2010
AI No.: 102899

1. **SYNOPSIS OF APPLICATION**

a. Name and Address of Applicant

Kentucky Transportation Cabinet
200 Mero Street
Frankfort, Kentucky 40622

b. Facility Location

Licking River Bridge
KY 22
Falmouth, Pendleton County, Kentucky

c. Description of Applicant's Operation

The Kentucky Transportation Cabinet is replacing the bridge and approaches on KY 22 over Licking River due to a low sufficiency rating and the need to raise the bridge above the 100-year storm elevation of the Licking River. The new bridge will be re-aligned to improve pass-ability and the intersection of KY 22 and KY 159 will be reconstructed (SIC Code 1622).

d. Production Capacity of Facility

N/A

e. Description of Existing Pollution Abatement Facilities

Runoff from this project will be treated using silt traps and sedimentation basins. The banks of Licking River will be protected with erosion control blankets.

f. Permitting Action

This is a first issuance of a minor KPDES permit for a Kentucky Transportation Cabinet bridge replacement project.

2. RECEIVING WATERS

a. Name/Location

Runoff from this project discharges to the Licking River from latitude 38-40-34 and longitude 84-19-22 to latitude 38-40-41 and longitude 84-19-44.

b. Stream Segment Use Classifications

Pursuant to 401 KAR 10:026, Section 5, the Licking River carries the following classifications: Warmwater Aquatic Habitat, Primary/Secondary Contact Recreation, Domestic Water Supply and Outstanding State Resource Water.

c. Stream Segment Categorization

Pursuant to 401 KAR 10:030, Section 1, the Licking River is categorized as "Exceptional Water".

d. Stream Low Flow Condition

The 7-day, 10-year low flow and harmonic mean conditions of the Licking River are 3.0 cfs and 2,808 cfs, respectively.

3. **PROPOSED PERMIT REQUIREMENTS**

a. Storm Water Pollution Prevention Plan (SWPPP)

The permittee shall develop a Storm Water Pollution Prevention Plan (SWPPP) and implement the SWPPP at the commencement of construction disturbance. The SWPPP shall include erosion prevention measures, sediment control measures and other site management practices necessary to prevent the discharge of sediment and other pollutants into waters of the Commonwealth that would result in those waters being degraded or non-supportive of their designed uses. Sediment control measures and other site management practices are required to be properly selected based on site-specific conditions and shall be installed and maintained to effectively minimize such discharges from storm events up to and including a 2-year, 24-hour event.

The permittee shall utilize the Kentucky 2008 Standards Specifications for Road and Bridge Construction document as a means of establishing sediment control measures, erosion control measures and other site management practices. In addition, the permittee shall implement the enhanced Best Management Practices (BMPs) contained in the supplemental data document.

b. Minimize Size and Duration of Disturbance

As a means of providing adequate protection to the receiving stream, the permittee shall minimize disturbance and the time that unstable areas are exposed.

c. Stabilization Requirements

Final stabilization practices on those portions of the site where construction activities have permanently ceased shall be initiated within fourteen (14) days of the date of cessation of construction activities.

Temporary stabilization practices on those portions of the site where construction activities have been suspended shall be initiated within fourteen (14) days of the date of cessation of construction activities.

Final stabilization practices shall replace temporary stabilization practices on those portions of the site where construction activities have been suspended for more than 180 days. In such cases, final stabilization practices shall be initiated as soon as practical but no later than fourteen (14) days after the 180th day of suspended activity.

d. Buffer Zone

Where possible, the permittee shall maintain at a minimum a 50-foot buffer zone between any disturbance and all edges of the receiving water. In areas where maintaining a buffer zone is not possible, erosion prevention measures such as erosion control mats/blankets, mulch, straw blown in and secured with tackifiers or by treading, etc., shall be implemented within 24 hours (or at the earliest possible time when external factors such as inclement weather prevent implementation) after completion of disturbance/grading or following cessation of activities.

4. **ANTIDEGRADATION**

The conditions of 401 KAR 10:029, Section 1, have been satisfied by this permit action. This project has been identified in the Kentucky Transportation Cabinet's six (6) year road plan, as established in KRS 176.430. Therefore, pursuant to the requirements of 401 KAR 10:030, Section 1(3)(b)2c the permittee has demonstrated compliance with these requirements of the antidegradation implementation procedures specified in 401 KAR 10:030.

5. **PROPOSED COMPLIANCE SCHEDULE FOR ATTAINING EFFLUENT LIMITATIONS**

The permittee will comply with all effluent limitations by the effective date of the permit.

6. **PROPOSED SPECIAL CONDITIONS WHICH WILL HAVE A SIGNIFICANT IMPACT ON THE DISCHARGE**

The Storm Water Pollution Prevention Plan (SWPPP) for this site includes enhanced BMPs developed specifically for this project.

The SWPPP also includes post construction measures to protect the Licking River after construction is complete.

7. **PERMIT DURATION**

Five (5) years. This facility is in the Salt/Licking Basin Management Unit as per the Kentucky Watershed Management Framework.

8. **PERMIT INFORMATION**

The application, draft permit fact sheet, public notice, comments received and additional information is available from the Division of Water at 200 Fair Oaks Lane, Frankfort, Kentucky 40601.

9. **REFERENCES AND CITED DOCUMENTS**

All material and documents referenced or cited in this fact sheet are a part of the permit information as described above and are readily available at the Division of Water Central Office. Information regarding these materials may be obtained from the person listed below.

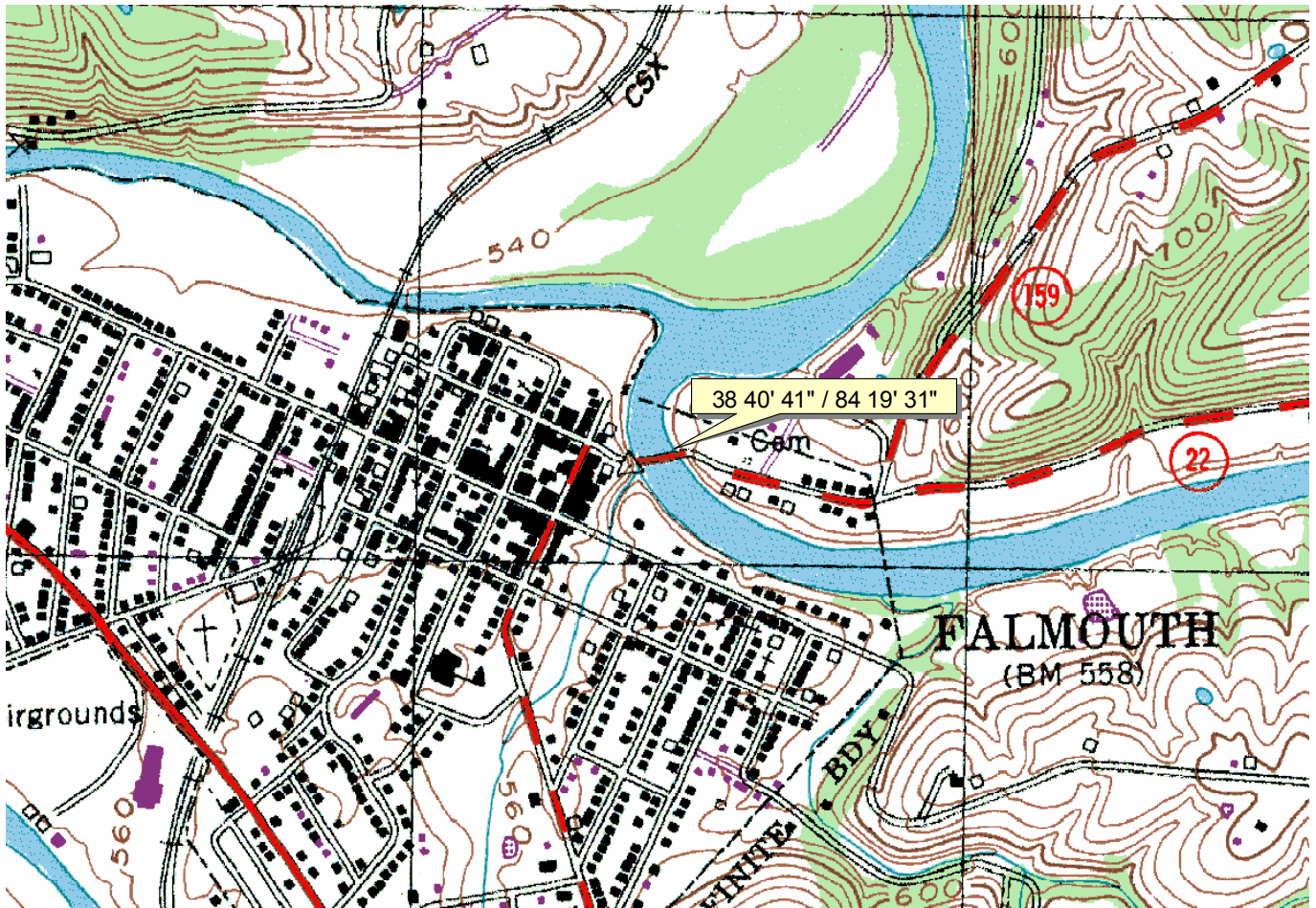
10. **CONTACT**

For further information on the draft permit or comment process, contact the individual identified on the Public Notice or the Permit Writer - Ronnie Thompson at (502) 564-8158, extension 4896 or e-mail Ronnie.Thompson@ky.gov.

11. **PUBLIC NOTICE INFORMATION**

Please refer to the attached Public Notice for details regarding the procedures for a final permit decision, deadline for comments, and other information required by 401 KAR 5:075, Section 4(2)(e).

Licking River Bridge



KPDES



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT

PERMIT NO.: KY0108693
AI NO.: 102899

AUTHORIZATION TO DISCHARGE UNDER THE KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

Pursuant to Authority in KRS 224,

Kentucky Transportation Cabinet
200 Mero Street
Frankfort, Kentucky 40622

is authorized to discharge from a facility located at

Licking River Bridge
KY 22
Falmouth, Pendleton County, Kentucky

to receiving waters named

Licking River from latitude 38-40-34 and longitude 84-19-22 to latitude 38-40-41 and longitude 84-19-44.

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II and III hereof. The permit consists of this cover sheet, Part I 2 pages, Part II 1 page and Part III 1 page.

This permit shall become effective on

This permit and the authorization to discharge shall expire at midnight,

Date Signed

Sandra L. Gruzesky, Director
Division of Water

PART I A - PERMIT REQUIREMENTS

Storm Water Pollution Prevention Plan (SWPPP)

The permittee shall develop a Storm Water Pollution Prevention Plan (SWPPP) and implement the SWPPP at the commencement of construction disturbance. The SWPPP shall include erosion prevention measures, sediment control measures and other site management practices necessary to prevent the discharge of sediment and other pollutants into waters of the Commonwealth that would result in those waters being degraded or non-supportive of their designed uses. Sediment control measures and other site management practices are required to be properly selected based on site-specific conditions and shall be installed and maintained to effectively minimize such discharges from storm events up to and including a 2-year, 24-hour event.

The permittee shall utilize the Kentucky 2008 Standards Specifications for Road and Bridge Construction document as a means of establishing sediment control measures, erosion control measures and other site management practices. In addition, the permittee shall implement the enhanced Best Management Practices (BMPs) contained in the supplemental data document.

Minimize Size and Duration of Disturbance

As a means of providing adequate protection to the receiving stream, the permittee shall minimize disturbance and the time that unstable areas are exposed.

Stabilization Requirements

Final stabilization practices on those portions of the site where construction activities have permanently ceased shall be initiated within fourteen (14) days of the date of cessation of construction activities.

Temporary stabilization practices on those portions of the site where construction activities have been suspended shall be initiated within fourteen (14) days of the date of cessation of construction activities.

Final stabilization practices shall replace temporary stabilization practices on those portions of the site where construction activities have been suspended for more than 180 days. In such cases, final stabilization practices shall be initiated as soon as practical but no later than fourteen (14) days after the 180th day of suspended activity.

Buffer Zone

Where possible, the permittee shall maintain at a minimum a 50-foot buffer zone between any disturbance and all edges of the receiving water. In areas where maintaining a buffer zone is not possible, erosion prevention measures such as erosion control mats/blankets, mulch, straw blown in and secured with tackifiers or by treading, etc., shall be implemented within 24 hours (or at the earliest possible time when external factors such as inclement weather prevent implementation) after completion of disturbance/grading or following cessation of activities.

PART I B - SCHEDULE OF COMPLIANCE

The permittee shall achieve compliance with all requirements on the effective date of this permit.

DRAFT

PART II - STANDARD CONDITIONS FOR KPDES PERMIT

This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal, and local agencies.

It is the responsibility of the permittee to demonstrate compliance with permit parameter limitations by utilization of sufficiently sensitive analytical methods.

The permittee is also advised that all KPDES permit conditions in KPDES Regulation 401 KAR 5:065, Section 1 will apply to all discharges authorized by this permit.

DRAFT

PART III - OTHER REQUIREMENTS

Reopener Clause

This permit shall be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under 401 KAR 5:050 through 5:086, if the effluent standard or limitation so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of KRS Chapter 224 when applicable.

DRAFT